

AMENDMENTS TO CLAIMS

Claims 1-7 (Withdrawn)

8. (Currently amended) A method of directing differentiation of human embryonic cells to a specific cell type, comprising:
- a. permitting a population of human embryonic stem cells to form embryoid bodies;
 - b. dissociating the embryoid bodies to provide embryonic cells for differentiating in the presence of at least one exogenous factor for an effective period of time; and
 - c. causing directed differentiation of ~~human~~ said embryonic cells to form the specific cell type.
9. (Original) A method according to claim 8, wherein the embryoid bodies are formed in a suspension culture.
10. (Original) A method according to claim 8, wherein the embryonic cells are monolayer cultures.
11. (Original) A method according to claim 8, wherein the exogenous factor is a growth factor.
12. (Original) A method according to claim 8, wherein the exogenous factor is an interleukin.

13. (Original) A method according to claim 11, wherein the exogenous factor is nerve growth factor.

14. (Original) A method according to claim 8, wherein the exogenous factor is retinoic acid.

15. (Original) A method according to claim 8, wherein the differentiated cells are neuronal cell type.

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16. (Original) A method according to claim 15, wherein the differentiated cells have neuronal processes.

17. (Original) A method according to claim 1, wherein the embryonic cells are human embryonic cells.

Claims 18-47 (Withdrawn)
